

Section 6 TOOLS

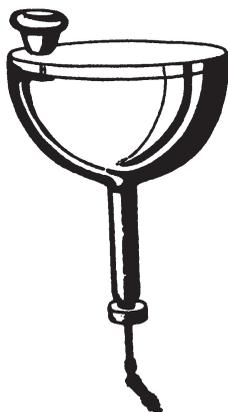
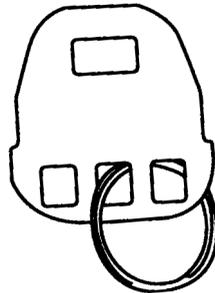
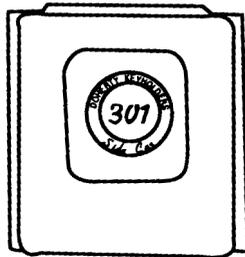
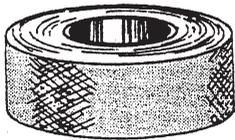
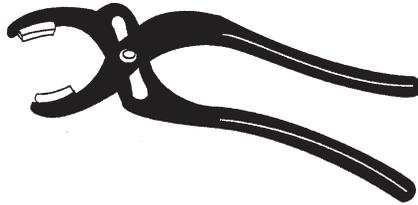
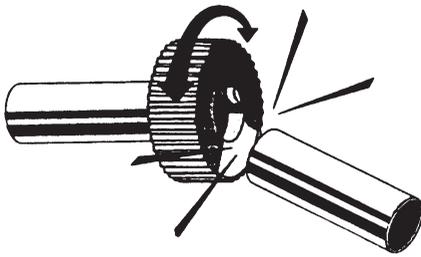


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Phone (650) 368-8517



Fax (650) 367-0732

Urinal Mat & Pliers

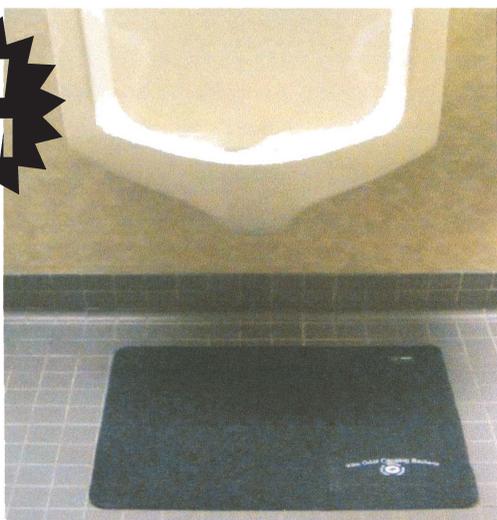
CRP2 6VOLT LITHIUM BATTERY



65545

Used in many battery powered faucets.

DISPOSABLE ANTIBACTERIAL URINAL FLOOR MAT



64128



Eliminates odor and protects tile and grout from urine stains. Reduces maintenance and labor costs.

Includes a timestrip that displays how long the mat has been placed on the floor. this shows when to replace the U-Mat.

Each 20" x 17-1/2" mat comes with rubber backing and 2-way self-adhesive water soluble double sided tape to adhere to the floor.

RECOMMENDED REPLACEMENT TIMES

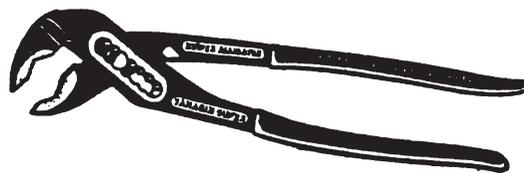
Heavy traffic - replace every week - 500 daily uses (Casinos, airports, theatres, convention centers.)

Medium traffic - replace every 2-4 weeks - 250 daily uses (Hospitals, schools, hotels, restaurants.)

Light traffic - replace every 4 weeks - 50 daily uses (Offices, stores, medical buildings.)

Packaged 12 to a box

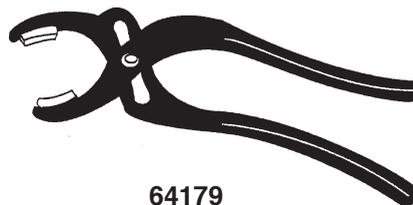
ALLIGATOR PLIERS



The most versatile plier available with unlimited applications. Patented parallel jaw design insure non-slip on round or hexagonal nuts. Cast stop prevents pinched fingers. Extra thin jaws for easy access into tight work areas. Made in Germany.

Number	Description
62051	10" alligator pliers
62052	12" alligator pliers

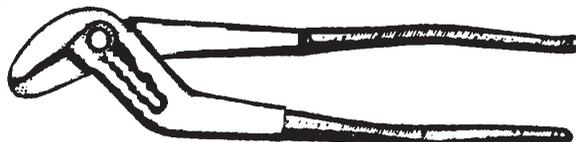
HEAVY DUTY PLIER



64179

Capacity 3/4" x 2-1/2" model 45Z. Made of forged steel. Heavy duty jaws. Meets government specs. Cushion grips for user comfort.

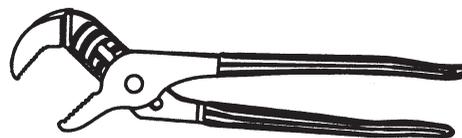
PLIER



61013

10" plier".

P-TRAP PLIER

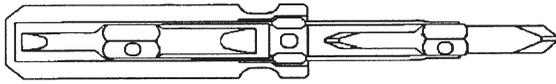


61012 - 10"

Universal's special P-trap plier. Jaw opening angle creates 20% more leverage.

Screwdrivers

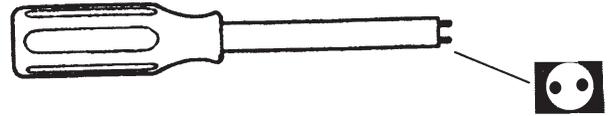
6 IN 1 COMBO SCREWDRIVER



61002

Includes #1 & #2 Phillips, 1/4" & 5/16" nut driver, 9/32" & 3/16" slotted bits.

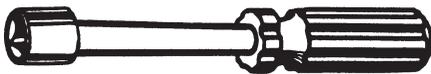
VANDAL PROOF SCREWDRIVER



65219

Sturdy screwdriver with double pronged head design.

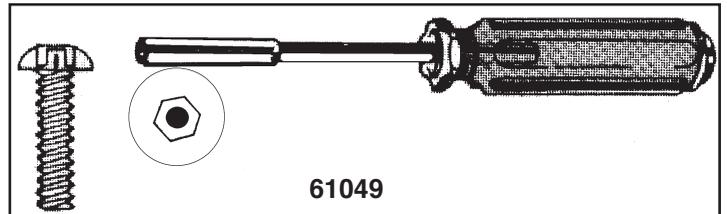
HOSE CLAMP SCREWDRIVER



62005

Handy tool for tightening hose clamps. Popular 5/16" size fits most clamps.

VANDAL PROOF SCREWDRIVER



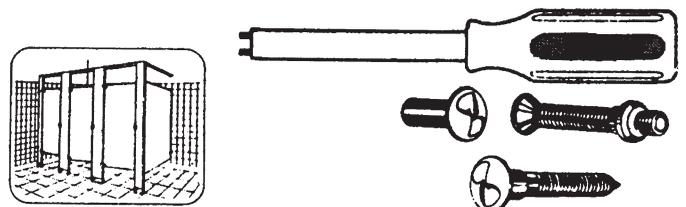
61049

Hex head shaped driver with center post.



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TOILET PARTITION SCREWDRIVER

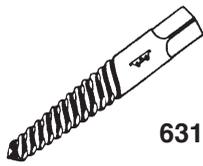


63161

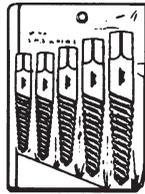
Removes and installs one-way toilet partition screws quickly.

Drills, Tap & Dies

SPIRAL SCREW



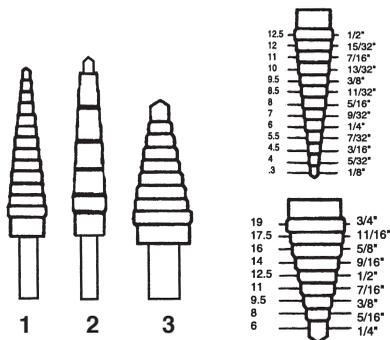
63189



Excellent for removing broken screws, bolts and thread parts without damaging the threads in the hole. Drill a hole in broken part and insert extractor. Turn counter clockwise with wrench to remove broken parts. Sizes included:

Number	Screw Size	Drill Size
1	To 1/4"	5/64"
2	To 5/16"	7/64"
3	5/16" - 7/16"	5/32"
4	7/16" - 9/16"	1/4"
5	9/16" - 3/4"	17/64"

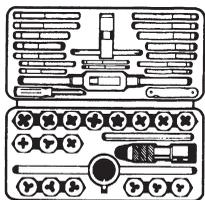
INDUSTRIAL UNIBIT STEEL DRILL SET



Unique single flute design drills perfect round holes in up to 3/8" material. Drills 13 different hole sizes with just one bit. Eliminates the need to change drill bits for different sized holes.

Number	Description	Sizes	Increments
65180	Unibit Step Drill Set, includes all 3 bits		

40 PIECE TAP & DIE SET

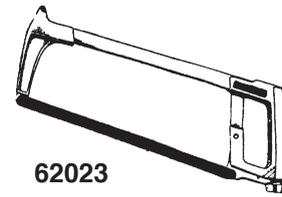


64108

Set includes:
 17 plug taps 16 solid 1" outer diameter round dies
 1JT20 & 1 JT40 handle tap wrench
 1 TRD47 die stock
 1-1/8 X 27NPT pipe tap
 1-1/8 X 27NPT pipe die

Sizes: 4 X 36NS, 4 X 40NC, 6 X 32NC, 8 X 32NC, 10 X 24NC, 10 X 32NF, 12 X 24 NC, 1/4 X 20NC, 1/4 X 28NF, 15/16 X 18NC, 15/16 X 24NF, 3/8 X 16NC, 3/8 X 24NF, 7/16 X 24NC 7/16 X 20NF, 1/2 X 13NC, 1/2 X 20NF

SWEDISH HACKSAW



62023

Features a high tension frame. Lever tensions this 12" saw blade to 28,000 PSI, twice that of ordinary frames. Blades won't twist or bind. Features:

- 1) Mount blade at 45° angle for flush cutting jobs.
- 2) Use frame as a jab saw, set screw holds blade in position.
- 3) Use as a compass saw.
- 4) Store 6 spare blades inside tubular back.
- 5) Thumb rest for control and safety.
- 6) Precision cast aluminum.

DELUXE HACKSAW BLADES

STANDARD No. F1218 **18T** CUTS BOLTS, PIPE AND MEDIUM SECTIONS

Molybdenum blades are made of exceptionally hardened steel. No twisting or pinching. Alloy steel blades are flexible and competitively priced.

Number	Length	Teeth	
		Per Inch	Type
64224	12"	24	Alloy steel
64632	12"	32	Molybdenum

JIG SAW BLADES



Hackmaster jig saw blades fit: Stanley, Black & Decker, Sears, Wards, Skil, Maketa, etc.

Number	Length	Teeth	
		Per Inch	Type
65173	3-1/2" x 3/8"	6	Rough wood
65174	3-1/2" x 3/8"	10	Smoother wood

RECIPROCATING SAW BLADES

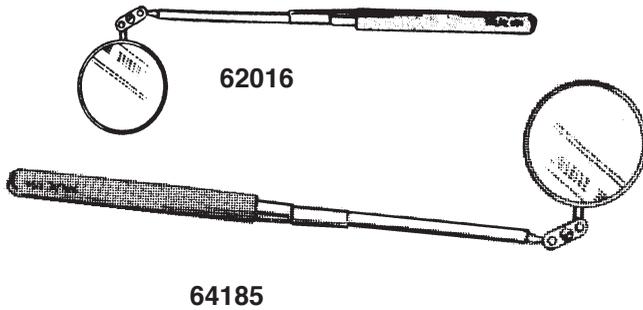


64000

Lasts 5 times longer than carbon steel blades! Fits: Milwaukee, Black & Decker, Skil, Stanley, Porter Cable, Sawzall, etc. All blades are 3/4" wide. Bi-metal construction provides shatterproof cutting. 6" long 24 teeth per inch. for metal and Galvanized pipe. 18 gauge

Pocket Tools

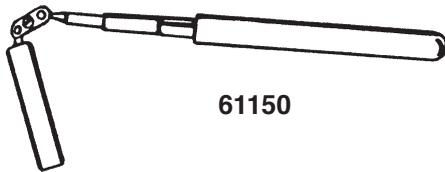
TELESCOPIC INSPECTION MIRRORS



Telescopic handle reaches 10" to 14" in length. Adjustable ball socket for reaching in small areas.

Number	Description
62016	1-1/4" diameter mirror
64185	2-1/4" diameter mirror

TELESCOPIC MAGNET PICK-UP TOOL



Hinged head contains powerful magnet. Pick up lost screws, bolts, nuts, etc. Includes pocket clip.

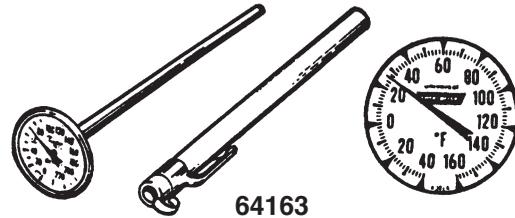
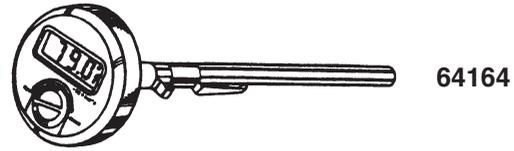
MINI HACKSAW



62021

Only 9" long, easily fits into tool boxes. Exceptional for close quarter areas. Uses 6" x 32 teeth per inch blades.

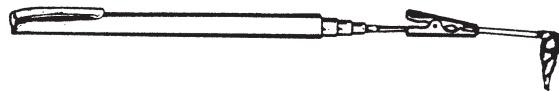
POCKET THERMOMETER



Features include:
 Recalibration nut
 Plastic water tight dial cover
 Stainless steel construction
 + - division accuracy
 NSF listed
 One year limited warranty

Number	Description
64163	Pocket thermometer has 1" dial
64164	Digital thermometer 40° to 300° F

EXTEND-A-MATCH



64134

Hold standard stick matches with alligator clip. Light pilots for gas water heaters, furnaces, etc. Telescopes 5" to 20" long.

SCREW STARTERS



64186



64187

Features include:
 Aluminum knurled handle
 Magnet end
 Pencil clip
 Alloy steel screw starter bit

Number	Description
64186	5-5/8" slotted screw starter
64187	3/4" Phillips screw starter

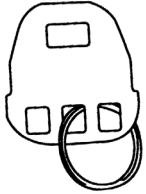


General Tools

KEY HOLDER



A quality product for carrying 3 rings of keys, with a quick release similar to an automobile or plane seat belt.



64090

ONE STOP WRENCH



61022

The One Stop Wrench is two wrenches in one. It provides the exact size wrench you need to install angle stops, compression couplings, etc.

"KEY-BAK" CLIP ON



Rugged key reel built for years of service. Carries a lifetime service policy. "The Original" since 1949. Textured chrome finish.

64188

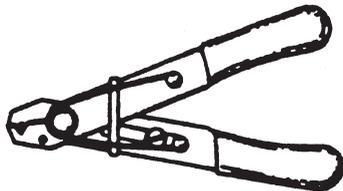
ADJUSTABLE WRENCHES



Locks automatically in any position. Easily readjusted, yet can't move accidentally. Thin jaws fit into tight places.

Number	Size
61201	4"
61202	6"
61203	8"
61204	10"
61205	12"

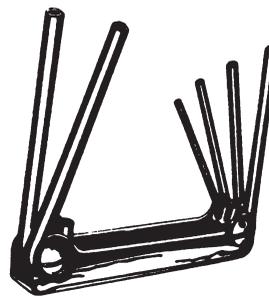
WIRE STRIPPER CUTTER



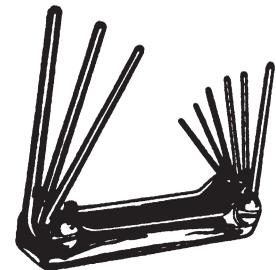
64142

Handy 5" tool for electrical wiring. Adjustment screw to strip any size wire, 10 to 22 gauge.

FOLDING HEX KEY SETS



61107

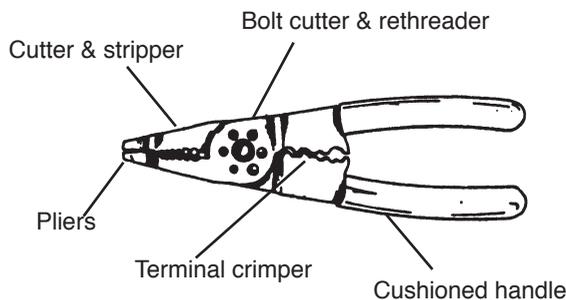


61108

Eliminates looking for the right size hex key. Sturdy handle folds like a knife. Snaps into work position. Can be used at any angle. Keys made of heat treated chrome nickel alloy steel.

Number	Description
61107	Large hex key set: 3/16", 7/32", 1/4", 5/16", 3/8"
61108	Small hex key set: 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32"

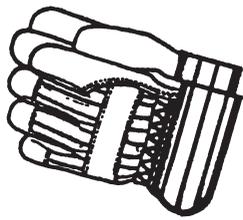
MULTI ELECTRICAL TOOL



64143

General Tools

WORK GLOVES



64140

Heavy duty leather work glove with double palm. Large.

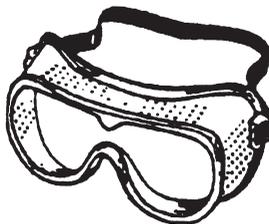
UGLY GLOVES



These gloves are covered with a pebbly, rough surface, perfect for handling oily cables.

Number	Description
64002	Red Ugly Gloves - short
64003	Red Ugly Gloves - long

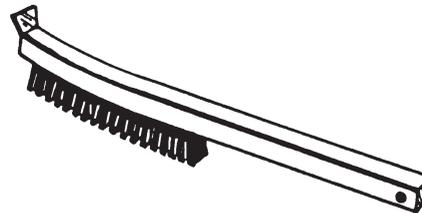
SAFETY GOGGLES



63156

Protect your eyes from flying particles. Can be worn over prescription glasses & contact lenses.

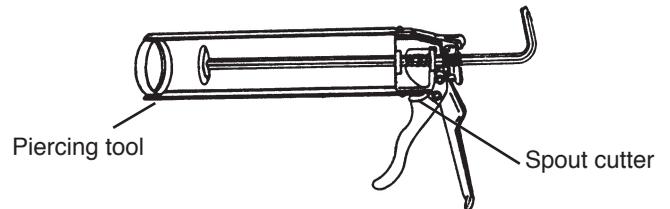
WIRE BRUSHES



19" wire brush with scraper. (19 x 3 row)

57021

PROFESSIONAL RATCHET CAULKING GUN



61035

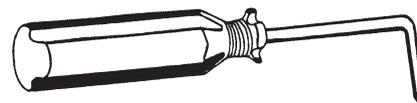
Lightweight caulking gun. Precision control. For use with any 11 oz cartridge.

CLEAR SAFETY GOGGLES



63157

TUB & TILE GROUT SCRAPER



62015

Handy tool for easy removal of old tub caulk and grout.

HANDYHAND GRAB-ALL TOOL



A must item for all mechanics. Springloaded fingers spread for "fishing" out small items.

Number	Description
62017	17" tool - 2 prong - heavy duty
65194	28" tool - 4 prong - light duty

GREY DUCT TAPE

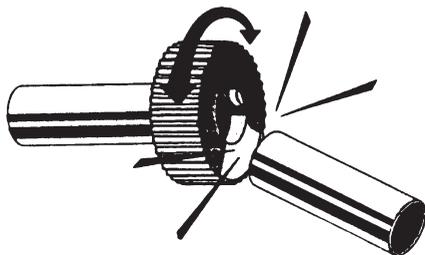


62060

All purpose, fast sticking. Secures insulation, seals sheet metal, fiberglass, composition and other types of ductwork. 2" x 60 yards.

Plumbing Tools

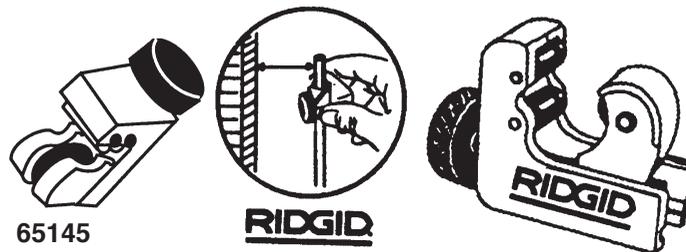
AUTOCUT TUBING CUTTER



The tight clearance cutter.

Number	For Use With
63148	1/2" copper tubing
63149	3/4" copper tubing
63150	Replacement cutter wheel

RIDGID "MIDGET" TUBING CUTTERS



Designed for use in close quarters on small size hard and soft copper, aluminum, brass and plastic tubing. Two rollers opposite cutter wheel permit easy rotation and faster cutting. Large feed screw knob gives easy control of cutting pressure for clean cuts.

Number	Description
65145	Cuts up to 5/8" O.D. overall length 2-1/8" Maximum turning radius 1-5/16" (Model 103)
65146	Cuts up to 15/16" O.D. with overall length 2-9/16"

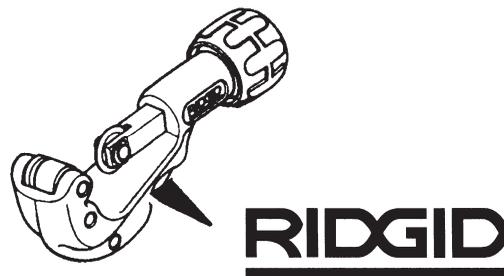
UNIVERSAL DELUXE TUBING CUTTER



63144

Finger touch enclosed feed cutter. Clean square cuts are easily made on copper, brass, aluminum and thin walled conduit. Deluxe cutter includes spare wheel in handle. Features fold away reamer. Made of light-weight aluminum. Cuts 1/8" to 1-1/8".

RIDGID TUBING CUTTER



65143

Features enclosed feed screw to eliminate clogging and jamming. Made of high strength aluminum alloy. Includes spare cutter wheel in handle. Cuts copper, brass, aluminum tubing and thin walled conduit sizes 1/8" - 1-1/8".

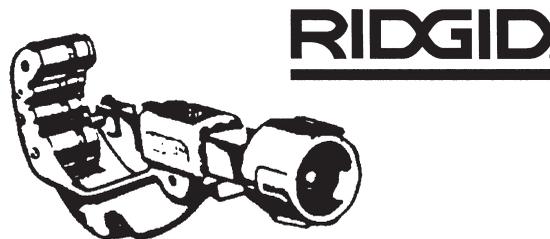
TUBING CUTTER WHEELS



Universal tubing cutter wheels and screw pins available for Ridgid and Universal models.

Number	Description	Mfr	Model
65147	Wheel	Ridgid	103, 104, 150, 205
65151	Wheel	Ridgid	10, 15, 20, 30, 40

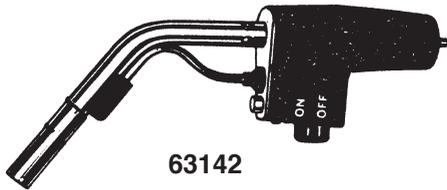
RIDGID TUBING CUTTER



65144

Features enclosed feed screw to eliminate clogging & jamming. Made of high strength aluminum alloy. Includes spare cutter wheel in handle. Cuts copper, brass, aluminum tubing and thin walled conduit sizes 1/4" - 2-3/8".

INSTANT LIGHT PROPANE TORCH



63142

Ignites by pressing on button. Lights more than 30,000 times. Needs no scratch lighter, matches or batteries. Burns hotter, over 3,500°. Saves fuel, instant on and off. Safer to use, burn tip stays cool.

EXPANDING SOLDERING TOOL



This tool prevents water seepage into the damaged pipe, allowing the plumber to sweat or glue a dry surface. Repair water lines without waiting for pipe to drain.

Number	Size
66105	1/2"
66106	3/4"
66107	1"
66108	1/2" thru 2" (Includes carrying case)

DELUXE FITTING BRUSH



Features solid easy turn handles, spring steel wire bristles for strength and faster cleaning, heavy duty spiral wire shaft.

Number	I.D.
62033	1/2"
62034	3/4"
62035	1"
62036	1-1/4"
62037	1-1/2"
62038	2"

PIPE DOPE BRUSH



62082

Heavy duty wood handle dope brush with 100% natural horse hair.

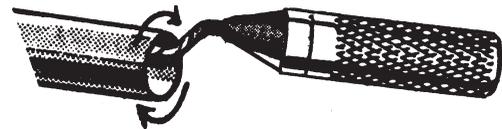
EXPANDING SOLDERING TOOLS



Dry-sweat dissolvable pipe plugs absorb excess water from the pipe to increase strength in the soldered joints. They come in two sizes for 1/2" or 3/4" pipe and include a plastic insertion tool.

Number	Size	Number of Plugs
63163	1/2"	7
63164	3/4"	5

DEBURRING TOOL



65155

Deburring tool for copper and plastic. Fast, easy to de-burr and smooth inside or outside of fittings or tubing.

4 IN 1 COPPER PIPE & FITTING BRUSH

63158



Inside and outside cleaning tool. Made of heavy duty spring wire. Fits 1/2" & 3/4" sizes.

ACID/FLUX BRUSHES



Used to apply solder flux for preparatory "sweating". Also makes an ideal cement brush. Made of horsehair. 6" long.

Number	Width
62039	3/8"
62040	1/2"
62041	5/8"

Plumbing Tools

PLUMBERS ABRASIVE CLOTH



New and improved - now it's waterproof. Cleans copper pipe fast. Available in open mesh for faster cleaning.

Number	Description
62027	1-1/2" x 10 yd roll - 120 grit, white
62028	1-1/2" x 25 yd roll - 120 grit, white
62029	1-1/2" x 10 yd roll - 120 grit, brown
62030	1-1/2" x 25 yd roll - 120 grit, brown
62031	1-1/2" x 5 yd roll - waterproof open mesh
62032	1-1/2" x 10 yd roll - waterproof open mesh

O-RING PICK



61109

Standard 5-3/4" spring steel O-ring pick. Removes O-rings from stems, faucet spouts, shafts, etc.

STAINLESS O-RING PICK

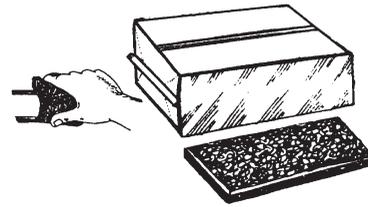


62024

Excellent tool for removing stubborn O-rings from spouts and faucet stems. Precision made dual-ended instrument has fine honed tips. Also used to pull packings, and clean orifices of Sloan diaphragms.

Also removes pencils, gum, and paper from bubbler heads.

WONDER CLEANING PADS

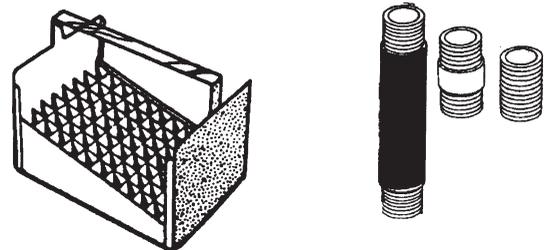


63159

Great all purpose scouring pad. Clean and deoxidize copper pipe fittings before soldering. Pads absorb dirt and tarnish.

Pkg of 5

NIPPLE BUNNY



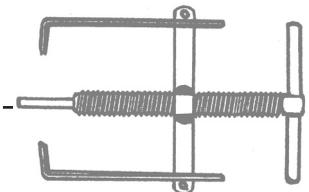
Provides instant selection of the correct size nipple. Holds eleven sizes for 1/2" or 3/4". Sizes close to 6" long. Made of heavy duty steel with baked enamel finish and push away handle.

Number	Description
62063	1/2" size, holds 77 nipples
62064	3/4" size, holds 66 nipples

COPPER PIPE COMPRESSION PULLER



62090

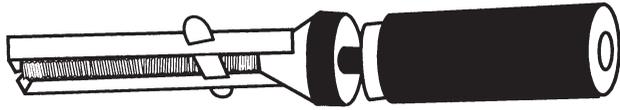


62018

This tool combined with our faucet handle puller #62018 removes installed 5/8" copper compression sleeves and nuts from angle stop valves. Insert sleeve puller into copper pipe, then insert peg of faucet handle puller into hole and place jaws of puller behind compression nut. Turn handle of puller and remove nut and sleeve.

Plumbing Tools

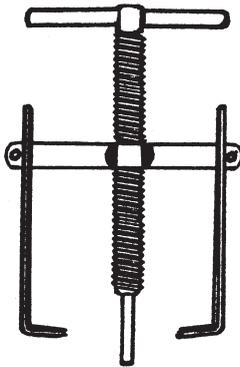
HAMMER-OFF HANDLE PULLER



61011

Quickly removes stubborn handles from faucets and shower valves. Sliding hammer removes frozen handles from stems without marring fixture or breaking handles.

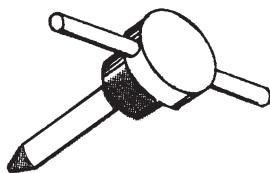
UNIVERSAL HANDLE MASTER



62018

Removes large faucet handles. Features black carbide puller tip, locking tapered wheel. Extra wide arms for large & small handles. Removes frozen faucet handles in seconds. Professional quality.

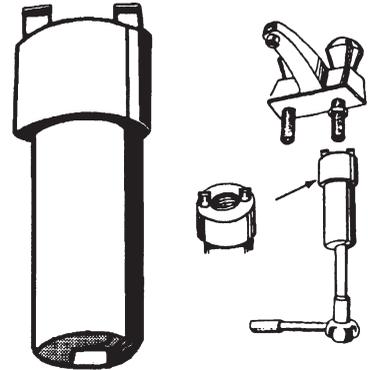
FAUCET REPAIR TAP



61006

For threading or correcting faulty or damaged threads to valve stems. Standard size 10/24 taps new threads in seconds.

QUICK NUTCRACKER

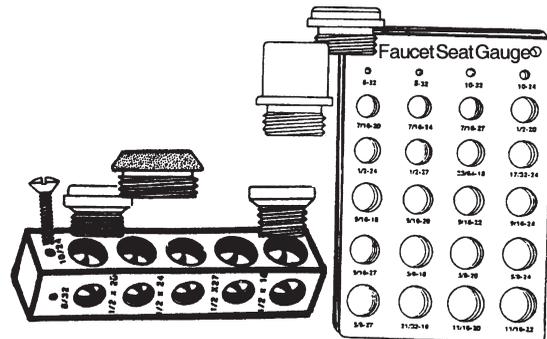


61062

Best tool available for removing frozen and corroded 1/2" zinc lock-nuts from deckmounted faucets. All you need is a 3/8" ratchet, extension and the "Quick Nutcracker."

Number	Description
61062	Nutcracker only
65242	3/8" x 10" extension bar
65243	3/8" ratchet
65244	Complete nutcracker set, all of the above

UNIVERSAL SCREW & SEAT GAUGES



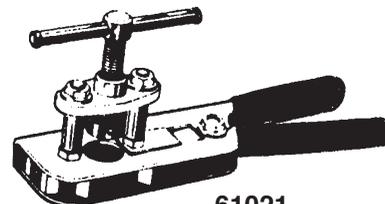
61017

65133

Light compact anodized aluminum screw & faucet seat gauges measure correct thread size and diameter. Eliminates cross threading faucets with the wrong size renewable seat. Available in block or flat models.

Number	Description
61017	Block seat and screw gauge
65133	Flat seat & screw gauge.

DELUXE FLARING TOOL

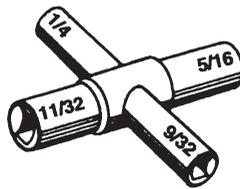


61021

Deluxe flaring tool makes accurate 45° flares. Contains 5 sizes: 3/16" to 5/8" outer diameter. For use with copper or aluminum tubing. Has case hardened flaring block.

Plumbing Tools

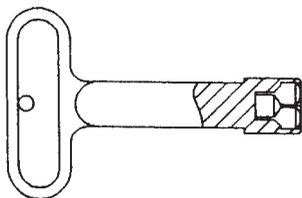
FOUR-WAY STOP COCK KEY



Heavy chrome plated, steel machined for square stems. Sizes: 1/4", 9/32", 5/16" & 11/32". Tool fits inside stop bonnets on hose bibbs, sillcocks, wall stops, hydrants and gas valves.

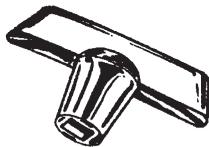
Number	Description
61010	Domestic
65460	Quality import

ZURN WALL HYDRANT KEY



61069

LOOSE KEY FOR HOSE BIBBS



61100

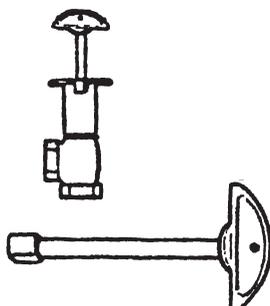
Universal's stop cock key for 5/16" hose bibbs is economy diecast metal.

ANGLE STOP LOOSE KEY



61066

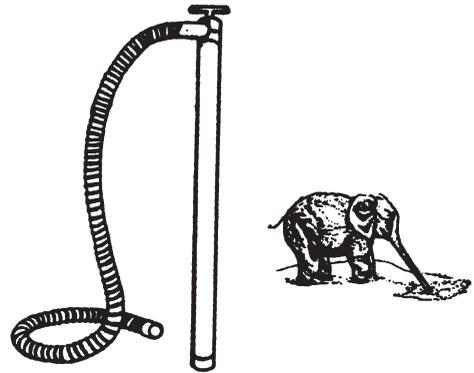
GAS KEY



65229

For turning on and off gas fireplace log lighters, furnaces, camp stoves. 5/16" square head - 3" long.

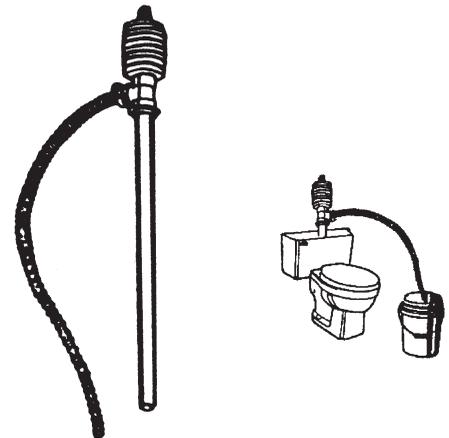
ELEPHANT PUMP



65241

Powerful hand pump delivers 16 oz. of fluid per stroke. Pump 10 gallons per minute from plumbing ditches, sprinkler holes, flooded areas, sinks, bathtubs, toilets, etc. Has 8" flexible hose.

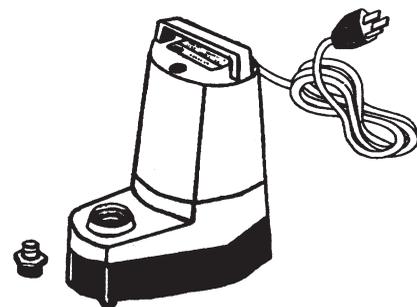
UNIVERSAL HAND SIPHON PUMP



65164

Remove unwanted water or chemicals from toilet bowls and urinals. Pump removes 1 gallon of liquid in less than 75 seconds. Made of tough vinyl plastic.

UNIVERSAL SUBMERSIBLE SUMP PUMP



65197

Can be used with 1" pipe or garden hose. Removes water to within 1/8" of surface. Cast aluminum housing, protective epoxy coating, with removable screen.

P TRAP & ANGLE STOP INSULATING TAPE

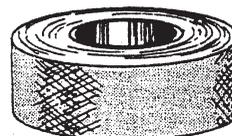


78850

P trap and water line insulating tape provides easy wrap for covering hot water angle stops and P traps under lavatory sinks. For ADA handicap code.



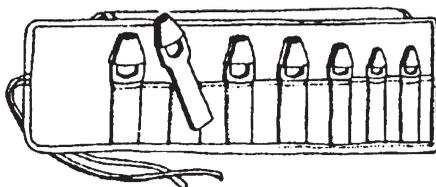
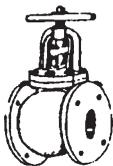
ALUMINUM FOIL TAPE



62069

2" x 50 yards.

ARCH PUNCH SET



61091

The perfect companion tool for punching out bolt holes. Make your own gasket in minutes. Kit includes sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" & 7/8". Packed in an exclusive tool roll.

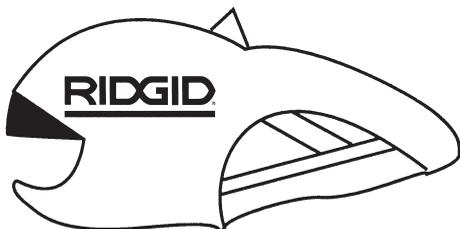
HEAVY DUTY STRAP WRENCHES



62048

Ideal for working on polished chrome, gold and brass. Sturdy nylon strap gives tight grip without marring finish.

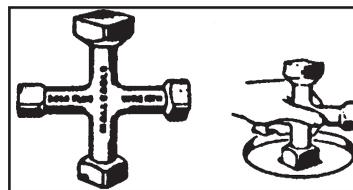
RIDGID PLASTIC PIPE CUTTER



65130

Spring loaded blade retracts into guard. Housing is made of lightweight aluminum.

4-IN-1 CLEAN OUT PLUG WRENCH

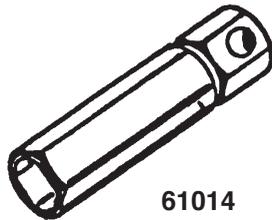


64104

Made of malleable iron with bright finish. 4 sizes in 1 tool: 3/4", 1", 1-1/8", 1-3/8". For inserting or removing plugs with square sockets. Provides good leverage for use on drum tap plugs, flash flood drain covers, heating, water and waste line plugs.

Plumbing Tools

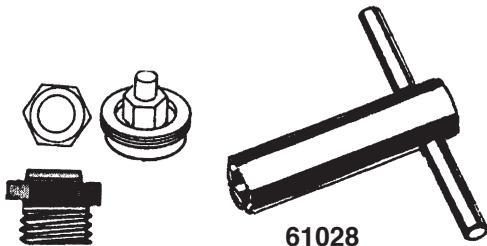
AMERICAN STANDARD COLONY SHOWER SOCKET



61014

Removes American Standard Colony bath/shower stems without damaging brass bonnets.

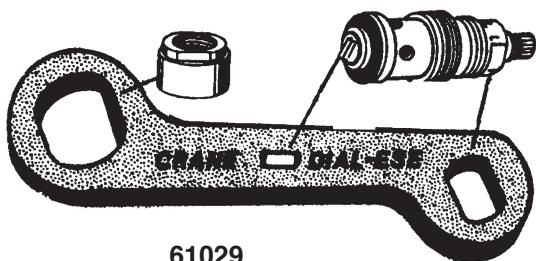
AMERICAN STANDARD BALLCOCK WRENCH



61028

For removing or installing American Standard models N-3025 & N-3015 brass or plastic ballcock caps & seats.

CRANE DIAL-EZE FAUCET WRENCH



61029

For Crane "Dial-Eze" model faucets and shower valve stems. Removes packing nut and stem units. Center slot of wrench holds stem tip.

DELTA FAUCET WRENCH

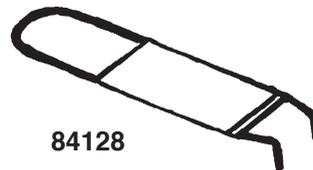


New Style

92103

Hex key removes handles. Forked prongs adjust cap assembly. For all faucets with metal lever handles.

ELKAY/HAWS WATER COOLER CARTRIDGE WRENCH



84128

For removing electric water cartridge #84134 from Haws, Sunroc, Larco, Elkay, G.E., Westinghouse, Halsey Taylor and Filtrine fountains.

FOUNTAIN BUSHING & VALVE WRENCH

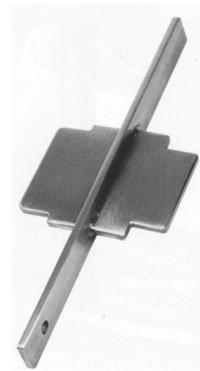


67047

Tightens or loosens cartridge retaining bushing. Prevents bushing thread damage which causes leaks.



FISHER CLAMPING RING WRENCH

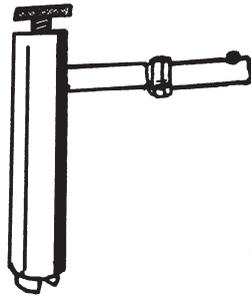


61033

Spanner wrench for ball style waste valves.



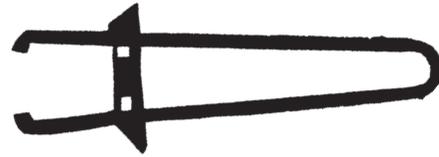
MOEN INSIDE & OUTSIDE CARTRIDGE PULLER WRENCH



61004

Removes brass or plastic Moen cartridges easily. Also removes inside stem unit from brass cartridge.

POWERS MIXING VALVE WRENCHES



61079

Powers cartridge wrench grabs the sides of the plastic white cartridge on models 400 or 410 series mixing valves for easy removal.

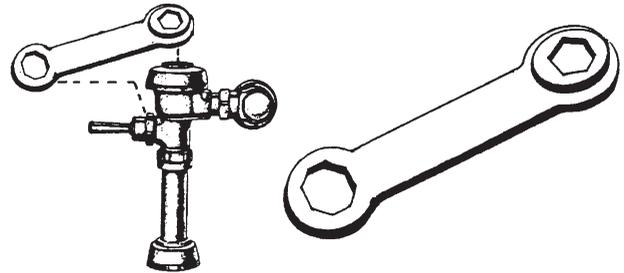
CARTRIDGE EXTRACTOR TOOL FOR SLOAN FLUSHMATE



61005

Fast - Heavy duty. Easy in - Easy out. Eliminate broken cartridges and skinned knuckles.

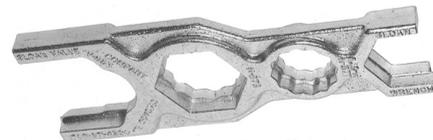
SLOAN FLUSHVALVE WRENCH



62072

Made of T-56 case hardened aluminum. Fits Sloan Royal and Royal Quiet flushometers.

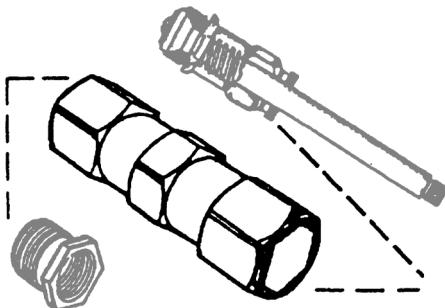
SLOAN SUPER WRENCH



62073

Smooth jawed spud wrench for various Sloan components. Ideal to use when installing or servicing a Sloan flushometer.

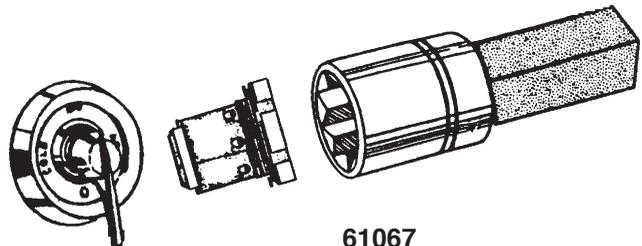
PRICE PFISTER SHOWER SOCKET WRENCH



61032

A handy wrench for repair service work. Removes Price Pfister shower or bath stems. One end fits PPN01 packing nut, the other end fits PPB01 bonnet assembly.

SYMMONS SHOWER SEAT SOCKET WRENCH



61067

For Symmons Safety-Mix and Safety Mix Hide-a-Pipe shower valve. Removes large C-3, SC-3 & C-50 bronze seats.

Plumbing Tools

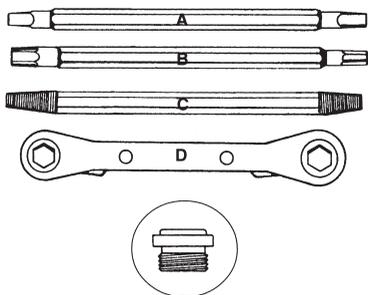
PLASTIC NUT BASIN WRENCH



61316

Designed to reach and turn plastic mounting nuts on faucets, sprayers and ballcocks.

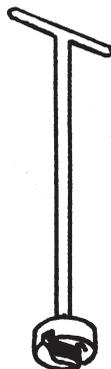
SEAT WRENCHES



Deluxe faucet seat wrenches with ratchet. Removes and installs seats without stripping. Special easy-out bar removes stripped seat.

Key	Number	Description
A	62401	Square seat bar
B	62402	Hex seat bar
C	63109	Easy-out extractor bar
A,B,D	61008	3 pc. seat wrench set
A,B,C,D	63110	4 pc. seat wrench set

ANGLE STOP HANDLE WRENCH

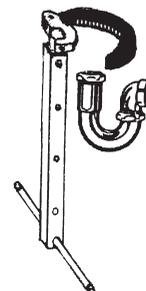


61048

Universal's exclusive angle stop wrench fits all oval handles, closes frozen valves without destroying handle. Made of T-56 aluminum, 24" long.

BASIN WRENCHES

Remove and install faucet and drain locknuts. Heavy duty, chrome plated. Telescopic shanks adjust to 4 lengths from 10" through 17". Forged alloy jaws are springloaded to grip nuts easily.



Number	Jaw Opening
62046	3/8" through 1-1/4"
62047	1-1/4" through 2-1/2"

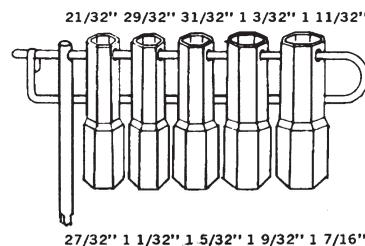
Professional basin wrench for removing and installing faucet and drain locknuts. Standard swivel head and 15" long handle.

This is a good alternative to more expensive wrenches.



65132

DEEP SOCKET WRENCH SET



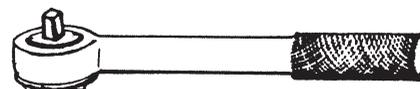
62007

Bright plated steel with extra heavy walls. Use on shower valves behind tile walls and any bonnet or packing nut in recessed areas. Socket is inserted over spindle valve and down over nut. Each socket has 2 sizes, one on each end and cross pin handle.

TOILET SEAT WRENCHES



For removing or installing toilet seat nuts. Fits 3 sizes of plastic nuts & 2 size of metal hex nuts. Standard 1/2" drive ratchet plugs into bottom of socket tool. Also fits PP303 Price Pfister faucet stems.



Number	Description
61009	Toilet seat socket wrench
64112	1/2" drive ratchet

Plumbing Tools

RIDGID HEAVY DUTY CAST IRON PIPE WRENCHES

RIDGID

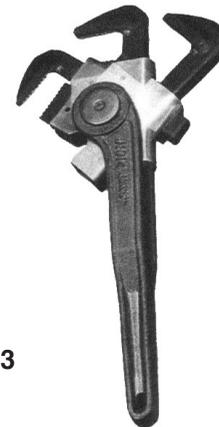


The original heavy duty pipe wrench.

- Sturdy cast iron housing and I beam handle for comfortable grip and strength without excess weight
- Full floating hook jaw with spring suspension for instant grip, instant release.
- Heat treated, high alloy steel jaw teeth
- Uniquely braced, extra strong mount for heel jaw
- Rugged easy spin, non-stick adjustment nut

Number	Description
65120	8"
65121	10"
65122	14"

10" JAWS PLIERS

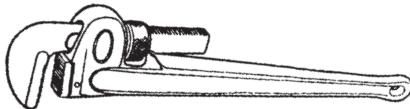


63133

Heavy duty pliers with adjustable head.

RIDGID ALUMINUM HANDLE PIPE WRENCHES

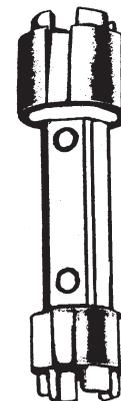
RIDGID



40% lighter than cast iron. All parts identical to heavy duty model. Available in straight or offset models.

Number	Description
65125	10" straight
62045	14" straight
65126	18" straight
62044	18" offset
65127	24" straight

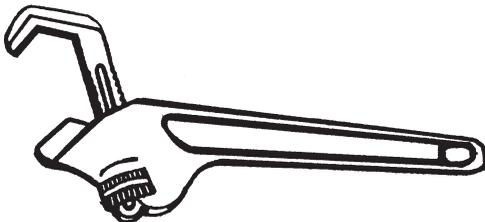
BATH SHOE STRAINER WRENCH



65245

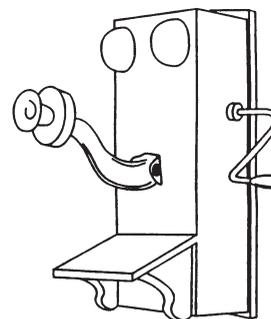
Die cast dumbbell wrench

SMOOTH JAW HEX WRENCH



62043

Extra wide opening offset jaw gives easy-on, non-slip grip on sink and tub drain nuts. Thin smooth jaws slip into the tightest places. Won't scratch chrome finish. Nut capacity up to 1-1/2" drain nuts. Jaw opening 2-5/8" with a 9-1/2" handle length.



Call Industrial Plumbing
Supply for that "Old
Fashioned Service"

(650) 368-8517

Plumbing Tools

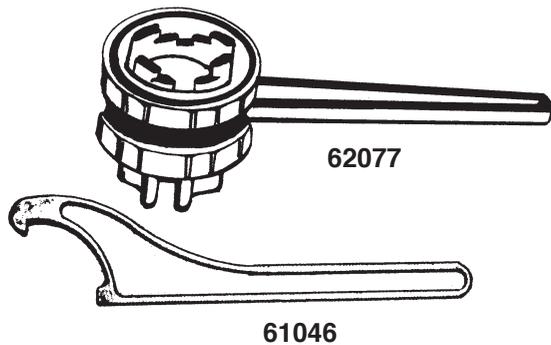
NO. 1 BLADE INTERNAL PIPE WRENCH



Universal's No. 1 internal pipe wrench will remove or install pipe nipples. Screw Mandrel to force tough gripping against interior of broken pipe or close nipples. Internal pipe wrenches eliminate damage to threads, walls, and high polish finishes.

Number	Description
63190	1/2" pipe size
63191	3/4" pipe size

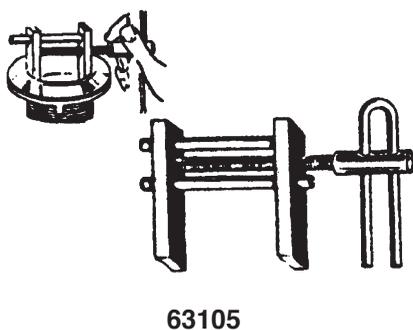
OUTSIDE & INSIDE STRAINER WRENCHES



Holds the basket firmly and tightens the nut without effort. Does not harm chrome surface. Precision made of Zamack #7 die cast aluminum and finished in bronze lacquer.

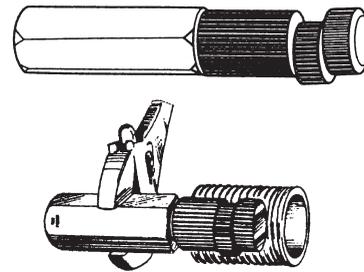
Number	Description
61046	Outside strainer wrench
62077	Inside strainer wrench

P.O. PLUG DRAIN WRENCH



Holds lavatory drains in place for easy installation and removal. Opens 1" to 4" wide

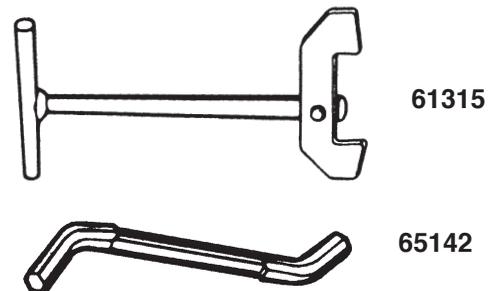
NO. 2 RODDICK INTERNAL PIPE WRENCHES



Universal's No.2 internal pipe wrenches loosen pipe nipples with a cam action. Knurled eccentric engages the inside wall and provides positive grip.

Number	Description
61212	For 1/2" nipples
61234	For 3/4" nipples

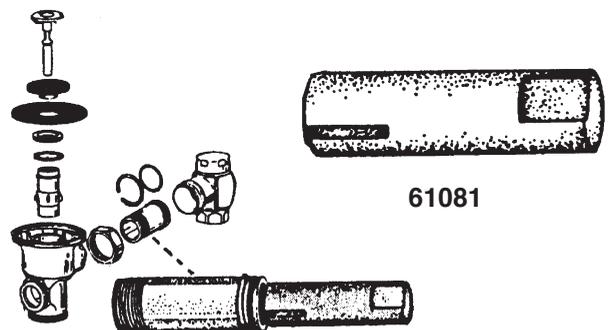
GARBAGE DISPOSAL WRENCH



Heavy duty steel wrench. Frees food disposals when they get jammed.

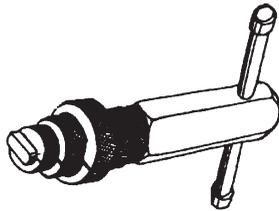
Number	Description
61315	Fit-all
65142	For Badger Insinkerator

TAILPIECE NIPPLE WRENCH



Removes or installs Sloan, Coyne Delaney, Watrous, Zurn, Marchant, Kohler and Speakman flushometer tailpieces. Made of heavy duty case hardened steel.

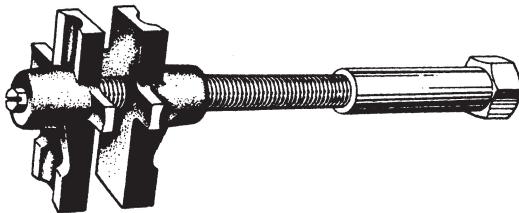
INSIDE SPUD WRENCH



61027

Ratchet type spud wrench firmly holds spuds using right or left hand turn pressure. Tool expands by eccentric action. Made of cadmium plated case hardened steel.

INSIDE SPUD WRENCH



61037

Expansion spud wrench has 4 sizes in 1. Rust resistant hardened and tempered jaws. Also used for pipe nipples up to 3-1/2" diameter. Made of heavy duty iron.

OUTSIDE SPUD WRENCH



61063

Standard 3 way spud wrench. Made of cadmium plated steel. Fits sizes" 1-1/4", 1-1/2", 2" locknuts.

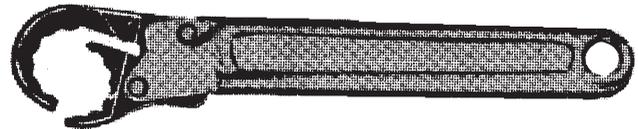
KWIK TITE WRENCH



62075

Get a grip on the installation of angle stops with this plumber designed tool. The larger of the forged steel sockets "opens" to attach to an angle stop. The smaller of the forged steel sockets "opens" to attach to a 3/8" outlet supply nut. Helps protect finishes.

ANGLE STOP INSTALLATION WRENCH



65117

Universal's angle stop installation wrench. Install 5/8" compression copper inlet angle stops fast.

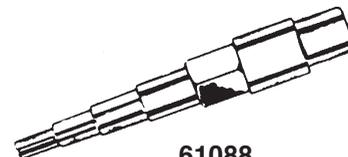
NO HUB TORQUE WRENCH



63160

Used to tighten no hub fittings and hose clamps. Wrench tightens clamps to torque pressure. Handy bar to easily back off bolts.

RADIATOR NIPPLE EXTRACTOR WRENCH

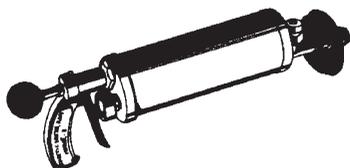


61088

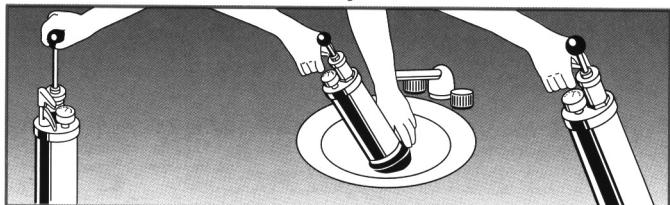
Removes 1/2", 3/4", 1-1/4", 1-1/2" & 2" radiator nipples. Insert small end into nipple and turn with a pipe wrench to loosen. Made of malleable iron with cadmium finish.

Plumbing Tools

KINETIC WATER RAM



SIMPLE TO OPERATE...Anyone can use it.



1 Pump up

2 Insert in drain

3 Snap trigger



Opens clogged sinks, closets and pipes. Designed to handle any stoppage and clean out rust, corrosion, grease, sediment and scale in waste lines up to 4", supply lines and hot water coils. Cleans stoppages up to 1200' from point of use. Great for the far side of drum traps or a series of tight bends.

How the Kinetic Water Ram works

Uses compressed air which swiftly strikes the water in the blocked pipe. A small shot from the Ram delivers enough force to clear and clean the line.

Safe to use on all pipes - even plastic

Kinetic energy is 98% forward and only 2% generated against the side walls of the pipe. Other pressure systems exert equal force on all sides of the pipe.

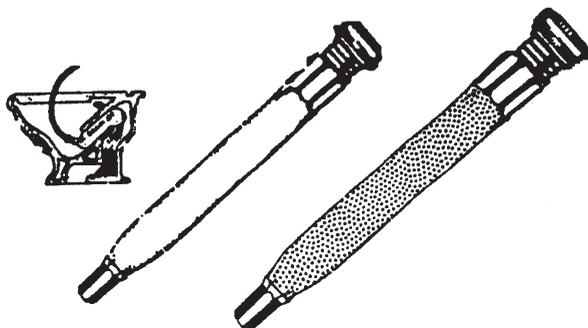
Simple to Use

Rugged Construction

16 ga. chrome plated brass cylinder tested to 6000 lbs pressure, 160 lb... gearless pressure gauge. High quality self-contained air compressor. Check valve prevents kickback of water into hose. Standard 1/2" pipe thread nozzle, can be pushed up or down.

Number	Description
65365	#2 Kinetic Water Ram complete with standard fittings and metal carrying case.
65366	#3 Kinetic Water Ram complete with standard fittings, one 6-1/2" tapered rubber cone, 1-1/2", 2", 3" & 4" expansion plugs and metal carrying case.

UNIVERSAL DRAIN JETS



Easy to use. Attaches to any garden hose. Fast acting tool for flushing & cleaning drains. Water pressure pushes out stoppages. Made of institutional grade canvas with rubber insert.

Number	For Drain Size
62078	1-1/2"
62079	2"
62080	3"
62081	4"

RUBBER DRAIN KING UNCLOGGERS

Unclog drains fast. Expands to seal pipes. Pulsates water through blockage. Attaches to any garden hose.

Number	For Drain Size
65249	1" to 2"
65250	1-1/2" to 3"
65251	3" to 6"



TMS Industrial Plumbing Supply
SOUTHWEST

(650) 368-8517

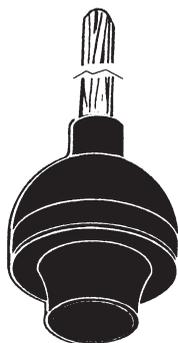
UNIVERSAL TOILET PLUNGERS



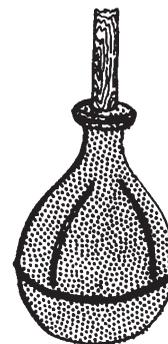
62188
Designed for low flush and standard toilets.



65247
Features exclusive bellows design. Accordion type toilet bowl action. You exert pressure on stoppage with less effort. Made of black plastic.



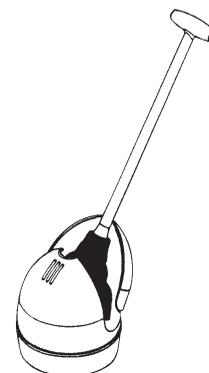
61015
Super thruster clears stoppages with large funnel shaped cup. Made of heavy rubber, with 24" handle.



62019
Heaviest plunger in the industry. Delivers 445 lbs. of pressure. Clears blockages fast. Made of deluxe black rubber, with 24" handle.

A NEW HOME FOR YOUR PLUNGER

A cleaner way to store your plunger and the most sanitary way to transport this necessary tool through hallways and public areas. Sanitary holder has drip tray and air vents, self-open and close door and an easy-to-carry design with handle..



62187

UNIVERSAL FORCE CUPS



63141
2-1/2" wide. For water cooler drains, drinking fountains, bar sinks.



61016
5" wide with 18" handle. For sinks, laundry.

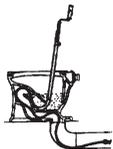
62020
3-1/2" wide with 24" handle. For lavatory sinks.



62089
6" wide with 24" handle. For showers, floor drains and sinks.

Plumbing Tools

DELUXE CLOSET & URINAL AUGERS



Drop head

Vinyl guard protects bowl. 3/8" galvanized steel rod. Finest augers available!

Cable is double layered aviation spring wire. Coil insures flexibility, construction of cable insure strength and long life. Drop head follows bowl contour & springs through sharply angled passages.



Number	Description
61025	3' regular head - closet
61026	3' drop head - closet
61077	6' regular head - closet
61078	6' drop head - closet
65248	3' regular head - urinal
65240	Replacement cable ONLY for urinal auger #65248

HANDY CABLES



Flexible tough wire makes manual operation easy. Made of aircraft type wire rope. Includes: Deluxe rotary handle with 2 smooth operating grips. All snakes have down heads.

For sink traps, 1-1/4" lines lavatory & bath drains

Number	Description
62097	1/4" x 15'
62098	1/4" x 25'

For 1-1/2" thru 3" drain lines

Number	Description
63101	3/8" x 50'



CARRYING CASES



48" long
8" wide



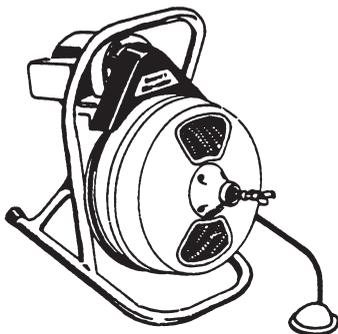
26" long
6-1/2" wide at the base

- Black vinyl
- Heavy duty zippers won't rust
- Washable and sanitizable
- Discreet way for maintenance to carry tools
- Mesh panels at the bottom of the carriers allows air flow to keep bag and tools dry.

Part#	Description
61076	Auger carrying case
62185	Plunger carrying case

Plumbing Tools

MINI ROOTER SNAKE



Mini roter clears lines from rooftop to basement, including kitchen, bath and laundry. Encased drum keeps snake oil from splashing on floor. For 1-1/4" thru 3" lines. Mini roter unit comes complete and ready to operate. Unit includes: Machine frame, MR-200 drum, 1/3 HP motor with reverse switch, air foot switch, leather gloves, arrow head, 1-1/2" U cutter, 2" side cutter, boring gimlet and cable as ordered below.

Number	Cable
65288	3/8" x 50' (50EM2)
65289	3/8" x 75' (75EM2)
65290	1/2" x 50' (50EM3)
65291	1/2" x 75' (75EM3)

MINI ROOTER ACCESSORIES

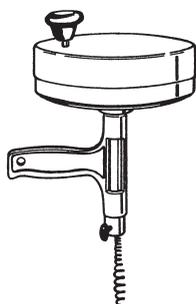
Number	Description
65312	4 pc Mini Rooter cutter set includes: arrow head, 1-1/2" cutter, boring gimlet
65292	Complete cutter set
65293	Mini Rooter drum
65294	Mini Rooter J drum only, for 5/16" x 50' or smaller cable
65295	Foot pedal only
65296	Power switch diaphragm
65297	Reverse switch only
65299	Ground fault interrupter only

FLEXICORE WIRE ROPE CENTER CABLES

For use with Mini Rooter snake

Number	Description
65301	3/8" x 75'

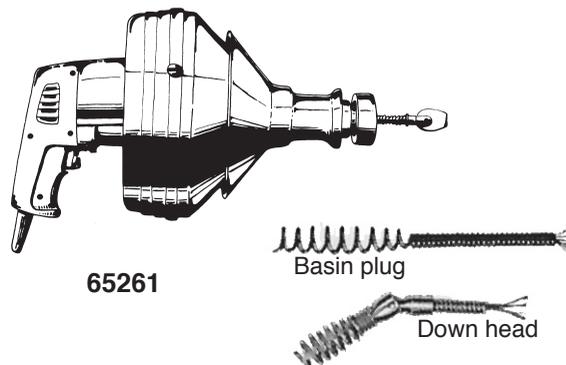
ECONOMY DRAIN AUGERS



For compact light duty work. Includes: plastic T grip handle and hollow core wire. Excellent for hotels and apartments. Cleans 1-1/4" through 2" lines.

Number	Description
62095	1/4" x 15'
62096	1/4" x 25'

SUPER VEE HANDYELECTRIC SNAKE



65261

Basin plug
Down head

SUPER VEE HANDYELECTRIC BASIC UNIT

Complete and ready to operate. Basic unit includes: slide action chuck, 110 volt vari-speed AC motor with reversing switch, 1/4" x 25' flexicore snake (25 HE1) 3/8" x 35' flexicore snake (35HE2), HE cutter set, 2 cartridges and case.

HANDYELECTRIC CUTTER SET

Complete 5 pc. set includes: arrow head, flexible arrow head, 1-1/4" side cutter blade - 2 pc, boring gimlet, down head boring gimlet.

Number	Description
65262	Complete cutter set
65263	Arrow head
65264	Flexible arrow head
65265	1-1/4" side cutter blade - 2 pc.
65266	Boring gimlet
65267	Down head boring gimlet

ADDITIONAL ACCESSORIES

Not furnished as standard equipment.

Number	Description
65268	All purpose down head fitting for 3/8" snake
65270	Handyelectric stand

FLEXICORE WIRE ROPE CENTER CABLES

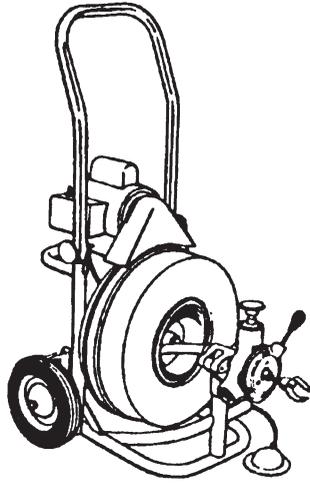
For use with the Handyelectric snake

Number	Size	Head
65272	1/4" x 25'	E1 basin plug head
65273	1/4" x 50'	E1 basin plug head
65274	1/4" x 25'	Down head
65275	1/4" x 50'	Down head
65276	1/4" x 25'	Double down head
65278	5/16" x 25'	E1 basin plug head
65279	5/16" x 50'	E1 basin plug head
65281	5/16" x 50'	Down head
65282	5/16" x 25'	With female connector
65283	5/16" x 50'	With female connector

RIDGID CABLE

Number	Description
65298	C-1 cable for Ridgid K-50 (25')

Plumbing Tools



Complete sewerooter T-3 cutter set includes: 15" flexible leader, arrow head, 1-1/2" U cutter, 2" side cutter blades - 2pc, 3" side cutter blades - 2 pc, 4" side cutter blades - 2pc, 3" rotary saw blades - 2pc, retrieving tool.

INDIVIDUAL ACCESSORIES

Number	Description
65313	Flexible leader 15" long
65315	1-1/2" cutter
65316	2" side cutter blades - 2 pc
65319	3" rotary saw blades - 2 pc
65320	Retrieving tool

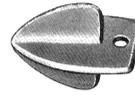
FLEXIBLE WIRE ROPE CENTER CABLES

42 strand aircraft type wire rope of unequalled strength & flexibility. For use with Sewerooter T-3. Equipped with male connector, female connector and connecting screw.

Number	Size
65324	3/8" x 25'
65325	3/8" x 50'
65392	3/8" x 100'
65394	1/2" x 50'
65395	1/2" x 75'

For use with Speedrooter. With male and female connector and screw.

SPEEDROOTER ACCESSORIES



1



2



3



4



5

Speedrooter complete cutter set includes: flexible leader 33" long (LE-2), Spear Head (SHD), 3" side cutter blades - 2 pc (3SCB), 4" side cutter blades - 2 pc (4SCB), 2" U cutter (2UC), 3" heavy duty saw blades - 1 pc (3HDB), 4" rotary saw blades - 2pc (4RSB), retrieving tools. Items can be ordered separately.

Key	Number	Description
All	65339	Complete cutter set, listed above
1	65341	Spear head
2	65342	3" side cutter blades - 2 pc
4	65343	4" side cutter blades - 2 pc
5	65346	4" rotary saw blades - 2 pc
3	65347	Retrieving tool

